





|  |                        |                     |  |
|--|------------------------|---------------------|--|
| <b>Issue Classification</b><br> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|  | 09/869,145             | KIM ET AL.          |  |
|  | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|  | DANIEL G MARIAM        | 2621                |  |

| ISSUE CLASSIFICATION   |   |          |   |      |   |                                   |  |  |  |                                 |                         |  |
|--|---|----------|---|------|---|-----------------------------------|--|--|--|---------------------------------|-------------------------|--|
| ORIGINAL   |   |          |   |      | CROSS REFERENCE(S)  |                                   |  |  |  |                                 |                         |  |
| CLASS  |   | SUBCLASS |   |      | CLASS   | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |  |                                 |                         |  |
| 382  |   | 190      |   |      |   |                                   |  |  |  |                                 |                         |  |
| INTERNATIONAL CLASSIFICATION   |   |          |   |      |   |                                   |  |  |  |                                 |                         |  |
| G  | 0 | 6        | K | 9/46 |   |                                   |  |  |  |                                 |                         |  |
|  |   |          |   | /    |   |                                   |  |  |  |                                 |                         |  |
|  |   |          |   | /    |   |                                   |  |  |  |                                 |                         |  |
|  |   |          |   | /    |   |                                   |  |  |  |                                 |                         |  |
|  |   |          |   | /    |   |                                   |  |  |  |                                 |                         |  |
| <br>(Assistant Examiner) (Date)         |   |          |   |      | <br><b>DANIEL MARIAM</b><br><b>PRIMARY EXAMINER</b><br>DANIEL MARIAM 11-19-04<br>(Primary Examiner) (Date) |                                   |  |  |  | <b>Total Claims Allowed: 15</b> |                         |  |
| <br>(Legal Instruments Examiner) (Date) |   |          |   |      |   |                                   |  |  |  | O.G.<br>Print Claim(s)<br>1     | O.G.<br>Print Fig.<br>1 |  |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          |       |          |       |          |       |          |       |          | <input type="checkbox"/> CPA |          | <input type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |  |
|--|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|------------------------------|----------|-------------------------------|----------|---------------------------------|--|
| Final  | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final                        | Original | Final                         | Original |                                 |  |
| 1  | (1)      |       | 31       |       | 61       |       | 91       |       | 121      |       | 151      |                              | 181      |                               |          |                                 |  |
| 2  | 2        |       | 32       |       | 62       |       | 92       |       | 122      |       | 152      |                              | 182      |                               |          |                                 |  |
| 4  | 3        |       | 33       |       | 63       |       | 93       |       | 123      |       | 153      |                              | 183      |                               |          |                                 |  |
| 5  | 4        |       | 34       |       | 64       |       | 94       |       | 124      |       | 154      |                              | 184      |                               |          |                                 |  |
| 3  | 5        |       | 35       |       | 65       |       | 95       |       | 125      |       | 155      |                              | 185      |                               |          |                                 |  |
| 6  | (6)      |       | 36       |       | 66       |       | 96       |       | 126      |       | 156      |                              | 186      |                               |          |                                 |  |
| 7  | 7        |       | 37       |       | 67       |       | 97       |       | 127      |       | 157      |                              | 187      |                               |          |                                 |  |
| 8  | 8        |       | 38       |       | 68       |       | 98       |       | 128      |       | 158      |                              | 188      |                               |          |                                 |  |
| 9  | (9)      |       | 39       |       | 69       |       | 99       |       | 129      |       | 159      |                              | 189      |                               |          |                                 |  |
| 10   | (10)     |       | 40       |       | 70       |       | 100      |       | 130      |       | 160      |                              | 190      |                               |          |                                 |  |
| 11   | (11)     |       | 41       |       | 71       |       | 101      |       | 131      |       | 161      |                              | 191      |                               |          |                                 |  |
| 12   | 12       |       | 42       |       | 72       |       | 102      |       | 132      |       | 162      |                              | 192      |                               |          |                                 |  |
| 14   | 13       |       | 43       |       | 73       |       | 103      |       | 133      |       | 163      |                              | 193      |                               |          |                                 |  |
| 15   | 14       |       | 44       |       | 74       |       | 104      |       | 134      |       | 164      |                              | 194      |                               |          |                                 |  |
| 13   | 15       |       | 45       |       | 75       |       | 105      |       | 135      |       | 165      |                              | 195      |                               |          |                                 |  |
|  | 16       |       | 46       |       | 76       |       | 106      |       | 136      |       | 166      |                              | 196      |                               |          |                                 |  |
|  | 17       |       | 47       |       | 77       |       | 107      |       | 137      |       | 167      |                              | 197      |                               |          |                                 |  |
|  | 18       |       | 48       |       | 78       |       | 108      |       | 138      |       | 168      |                              | 198      |                               |          |                                 |  |
|  | 19       |       | 49       |       | 79       |       | 109      |       | 139      |       | 169      |                              | 199      |                               |          |                                 |  |
|  | 20       |       | 50       |       | 80       |       | 110      |       | 140      |       | 170      |                              | 200      |                               |          |                                 |  |
|  | 21       |       | 51       |       | 81       |       | 111      |       | 141      |       | 171      |                              | 201      |                               |          |                                 |  |
|  | 22       |       | 52       |       | 82       |       | 112      |       | 142      |       | 172      |                              | 202      |                               |          |                                 |  |
|  | 23       |       | 53       |       | 83       |       | 113      |       | 143      |       | 173      |                              | 203      |                               |          |                                 |  |
|  | 24       |       | 54       |       | 84       |       | 114      |       | 144      |       | 174      |                              | 204      |                               |          |                                 |  |
|  | 25       |       | 55       |       | 85       |       | 115      |       | 145      |       | 175      |                              | 205      |                               |          |                                 |  |
|  | 26       |       | 56       |       | 86       |       | 116      |       | 146      |       | 176      |                              | 206      |                               |          |                                 |  |
|  | 27       |       | 57       |       | 87       |       | 117      |       | 147      |       | 177      |                              | 207      |                               |          |                                 |  |
|  | 28       |       | 58       |       | 88       |       | 118      |       | 148      |       | 178      |                              | 208      |                               |          |                                 |  |
|  | 29       |       | 59       |       | 89       |       | 119      |       | 149      |       | 179      |                              | 209      |                               |          |                                 |  |
|  | 30       |       | 60       |       | 90       |       | 120      |       | 150      |       | 180      |                              | 210      |                               |          |                                 |  |

